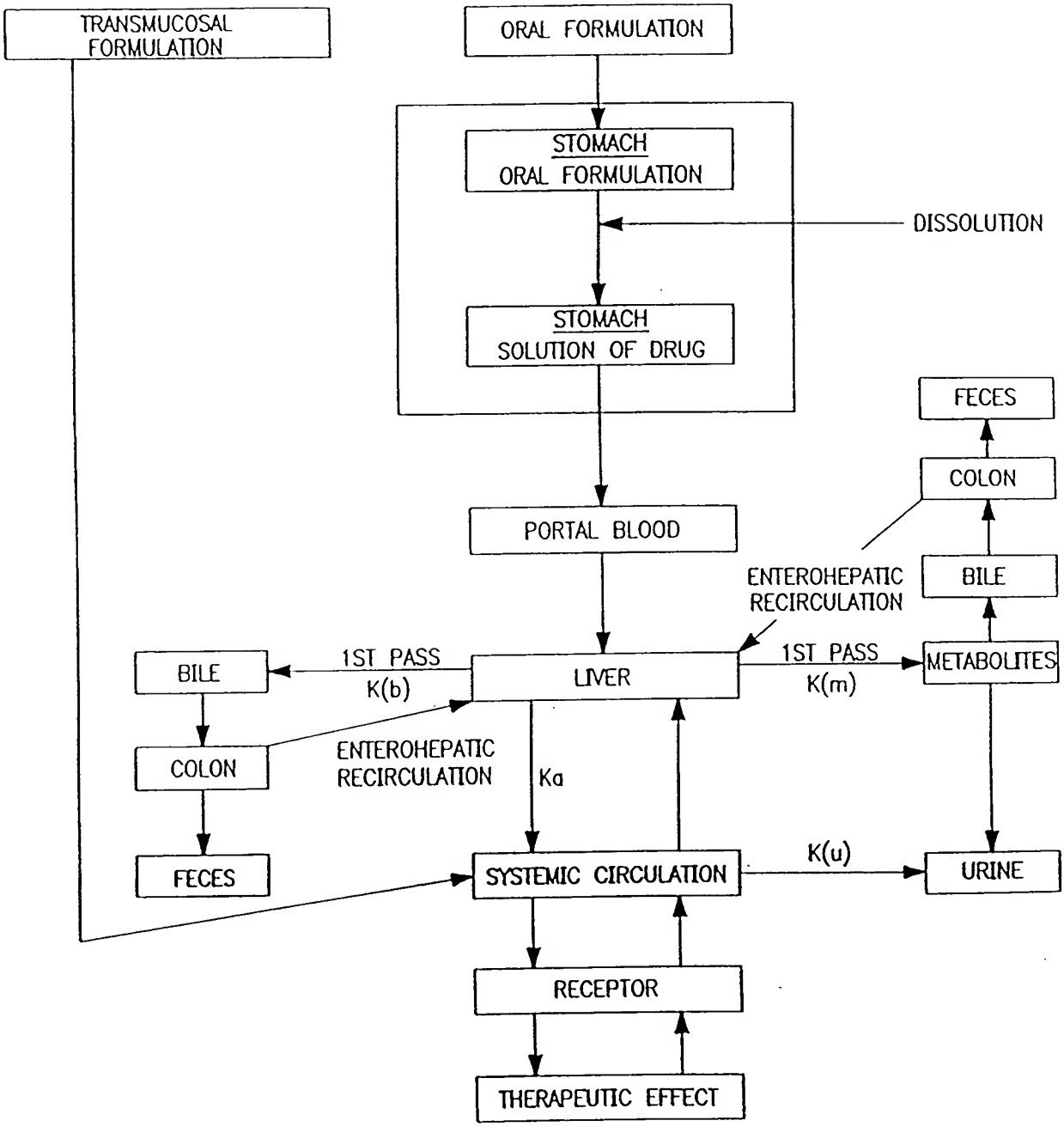
TRANSMUCOSAL FORMULATION
ORAL FORMULATION
STOMACH ORAL FORMULATION
DISSOLUTION
STOMACH SOLUTION OF DRUG
FECES
COLON
PORTAL BLOOD
BILE
ENTEROHEPATIC RECIRCULATION
BILE
1ST PASS K(b)
LIVER
1ST PASS K(m)
METABOLITES
COLON
ENTEROHEPATIC RECIRCULATION
Ka
FECES
SYSTEMIC CIRCULATION
K(u)
URINE
RECEPTOR
THERAPEUTIC EFFECT

$K(e)=K(m)+K(b)+K(u)$